(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/051966 A1

(51) International Patent Classification7: A61P 35/00

C07F 15/00.

(21) International Application Number:

PCT/IB2004/003855

(22) International Filing Date:

24 November 2004 (24.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/524,727

25 November 2003 (25.11.2003)

- (71) Applicant (for all designated States except US): PLATCO TECHNOLOGIES (PROPRIETARY) LIMITED [ZA/ZA]; 152 Cape Road, Mill Park, 6001 Port Elizabeth (ZA).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): DU PREEZ, Jan, Gysbert, Hermanus [ZA/ZA]; 16 Burford Crescent, Linkside, 6001 Port Elizabeth (ZA).

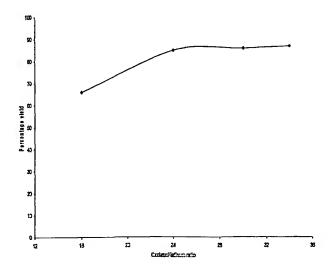
- (74) Agents: DONALD, Heather, June et al.; Spoor & Fisher, P. O. Box 41312, Craighall, 2146 Morningside (ZA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: PLATINUM(II) COMPLEXES, PREPARATION AND USE



(57) Abstract: This invention relates to a method for the preparation of platinum(II) complexes, in particular dicarboxylatoplatinum(II) complexes containing a neutral bidentate ligand, such as oxaliplatin. The method includes the step of reacting a bis-dicarboxylatoplatinate(II) species with a suitable neutral bidentate ligand to form a neutral dicarboxylatoplatinum(II) complex and, if necessary, recrystallising the product to form a pure dicarboxylatoplatinum(II) complex containing a neutral bidentate ligand. The invention also relates to a method for producing a bis-dicarboxylatoplatinate(II) species, and to new platinum(II) complexes that can be made by the method of the invention.



WO 2005/051966 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.